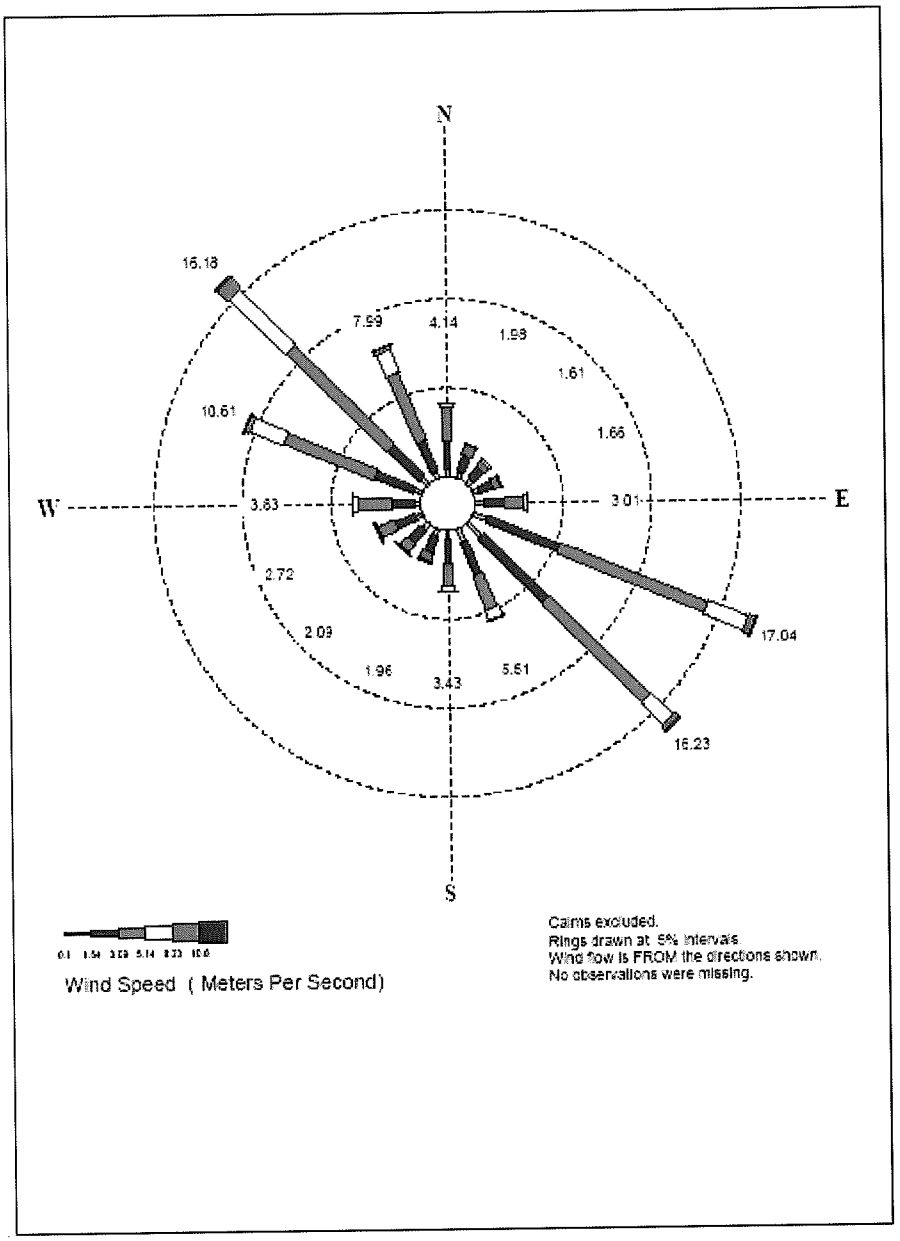
FIGURE 3-1

BOISE, IDAHO METEOROLOGICAL STATION WINDROSE (1988-1992)



The fence line was considered as the property boundary. Public access to the property is restricted via fencing and warning signs. The total number of receptors used was 1,009.

Receptor locations are presented in UTM coordinates (NAD 83). Figure 3-2 shows the receptor grid relative to the Handy facility. Terrain elevations were assigned to all receptors using U.S. Geological Survey (USGS) 7.5-minute series digital elevation model (DEM) data in the AERMAP program (version 06341). DEM data are available in NAD 27 coordinates.

3.6 BACKGROUND CONCENTRATIONS

Ambient background concentrations represent the contribution of pollutant sources that are not included in the modeling analysis, including naturally occurring sources. Background concentrations for PM_{10} and NO_2 were obtained from IDEQ (IDEQ 2008c). The 24-hour and annual PM_{10} background concentrations (90 $\mu g/m^3$ and 25.1 $\mu g/m^3$, respectively) and annual NO_2 (40 $\mu g/m^3$) were used for this analysis. These data are based on monitoring data and default urban values and are anticipated to be conservative. Background concentrations were not available for TAP emissions.

3.7 MODEL PARAMETERS AND RESULTS

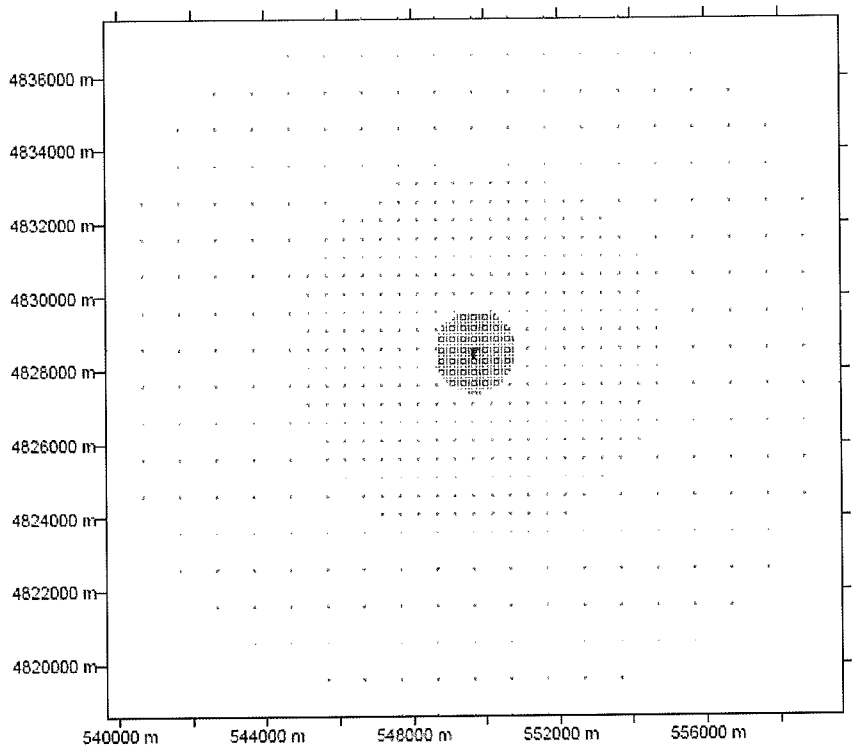
Modeled emissions sources at the Handy facility include both point sources and volume sources. Model parameters and emission rates are shown in Tables 3-4 and 3-5 and discussed below. Source locations are presented in UTM coordinates (NAD 83).

Volume Sources

Fugitive dust emissions from four sources were modeled. First, dust is generated when trucks unload sand and gravel into storage piles in the storage yard. Second, front-end loaders create dust emissions when sand and gravel are transferred from the storage piles to the wet product sand hopper or the wet product gravel hopper. Last, dust is generated when sand and gravel are transferred from the wet hoppers to a feeder belt, which transfers the material onto a feed conveyor. These four sources were modeled as volume sources. Volume source parameters were calculated based on AERMOD guidance, as explained in Tables 3-4 and 3-5. All other dust sources at the Handy facility are captured by one of eight baghouses, as discussed below.

FIGURE 3-2

HANDY TRUCK LINE RECEPTOR GRID



Notes:
Axis coordinates are presented in Universal Transverse Mercator (UTM) Zone 11 meters and the North American Datum of 1983 (NAD83).
xxx – Fence line receptor
xxx– Grid receptor

TABLE 3-4

CRITERIA POLLUTANT SOURCE EMISSION RATES AND STACK PARAMETERS

Source Description	Model ID	Source UTM Location[1]		Base Elevation (m)	Stack/ Release Height (m)[2]	Temperature (K)	Flow Rate (ft^3/min)	Velocity (m/s)	Diameter (m)	Sigma-y (m)[3]	Sigma-z (m)[4]	Long-Term Emission Rates (g/s)		Short-Term Emission Rates (g/s)
		Easting (m)	Northing (m)									NOx	PM_{10}	PM_{10}
Volume Sources														
Truck Material Handling	TRUCK	549731.5	4828422.2	797.0	4.6	n/a	n/a	n/a	n/a	0.57	2.13	n/a	0.00827	0.00827
Front-End Loader Material Handling	FEL	549728.2	4828442.8	797.0	5.0	n/a	n/a	n/a	n/a	0.43	2.33	n/a	0.00827	0.00827
Feeder Belt Transfer	FB	549728.2	4828447.0	797.0	3.0	n/a	n/a	n/a	n/a	1.77	1.42	n/a	0.00998	0.00998
Feed Conveyor Transfer	FC	549728.2	4828452.3	797.0	6.1	n/a	n/a	n/a	n/a	1.77	1.42	n/a	0.00998	0.00998
Point Sources														
Ventilex B.V. Fluid Bed Dryer & Cooler Baghouse	BH1	549735.6	4828466.0	797.0	9.1	477.6	11,000	10.01	0.81	n/a	n/a	n/a	0.0520	0.0520
Dryer Fugitive Dust Collector Baghouse	BH2	549725.5	4828447.0	797.0	11.6	298.0	15,000	5.81	1.25	n/a	n/a	n/a	0.0810	0.0810
Plant and Fugitive Dust Collector Baghouse	BH3	549721.4	4828466.6	797.0	9.1	298.0	18,000	16.38	0.81	n/a	n/a	n/a	0.3888	0.3888
Outside Storage Silo Fugitive Dust Baghouse	BH4	549721.4	4828463.2	797.0	20.1	298.0	508	1.89	0.40	n/a	n/a	n/a	0.0110	0.0110
Fly Ash Bin Vent Filter No. 1	BH5	549719.4	4828565.6	797.0	26.2	298.0	1,200	7.44	0.31	n/a	n/a	n/a	0.0259	0.0259
Fly Ash Bin Vent Filter No. 2	BH6	549725.4	4828565.6	797.0	26.2	298.0	1,200	7.44	0.31	n/a	n/a	n/a	0.0259	0.0259
Fly Ash Bin Vent Filter No. 3	BH7	549731.4	4828565.6	797.0	26.2	298.0	1,200	7.44	0.31	n/a	n/a	n/a	0.0259	0.0259
Fugitive Fly Ash Baghouse	BH8	549725.4	4828570.6	797.0	7.6	298.0	4,523	8.41	0.57	n/a	n/a	n/a	0.0977	0.0977
Ventilex Dryer	DRYER	549735.6	4828466.0	797.0	9.1	477.6	11,000	10.01	0.81	n/a	n/a	0.132	0.0094	0.0094

n/a - not applicable

1 All UTM source coordinates shown are in NAD 83.

2 Release heights for volume sources were based on the estimated height of the material handling activities.

3 Sigma y values for material handling volume sources were calculated by dividing the estimated initial length of the volume source by 4.3, per AERMOD guidance. The initial lengths were assumed as follows: TRUCK = 8 feet; FEL = 6 feet; FB and FC = 25 feet.

4 Sigma z values for material handling volume sources were calculated by dividing the vertical source dimension (estimated as the release height) by 2.15, per AERMOD guidance.

TABLE 3-5

TAP SOURCE EMISSION RATES AND STACK PARAMETERS

Source Description	Model ID	Source UTM Location[1]		Base Elevation (m)	Stack/ Release Height (m)[2]	Temperature (K)	Flow Rate (ft^3/min)	Velocity (m/s)	Diameter (m)	Sigma-y (m)[3]	Sigma-z (m)[4]	Short-Term Emission Rates (g/s)[5]		
		Easting (m)	Northing (m)									Formaldehyde	Arsenic	Cadmium
Volume Sources														
Truck Material Handling	TRUCK	549731.5	4828422.2	797.0	4.6	n/a	n/a	n/a	n/a	0.57	2.13	n/a	n/a	n/a
Front-End Loader Material Handling	FEL	549728.2	4828442.8	797.0	5.0	n/a	n/a	n/a	n/a	0.43	2.33	n/a	n/a	n/a
Feeder Belt Transfer	FB	549728.2	4828447.0	797.0	3.0	n/a	n/a	n/a	n/a	1.77	1.42	n/a	n/a	n/a
Feed Conveyor Transfer	FC	549728.2	4828452.3	797.0	6.1	n/a	n/a	n/a	n/a	1.77	1.42	n/a	n/a	n/a
Point Sources														
Ventilex B.V. Fluid Bed Dryer & Cooler Baghouse	BH1	549735.6	4828466.0	797.0	9.1	477.6	11,000	10.0	0.81	n/a	n/a	n/a	n/a	n/a
Dryer Fugitive Dust Collector Baghouse	BH2	549725.5	4828447.0	797.0	11.6	298.0	15,000	5.8	1.25	n/a	n/a	n/a	n/a	n/a
Plant and Fugitive Dust Collector Baghouse	BH3	549721.4	4828466.6	797.0	9.1	298.0	18,000	16.4	0.81	n/a	n/a	n/a	6.92E-11	9.10E-12
Outside Storage Silo Fugitive Dust Baghouse	BH4	549721.4	4828463.2	797.0	20.1	298.0	508	1.9	0.40	n/a	n/a	n/a	n/a	n/a
Fly Ash Bin Vent Filter No. 1	BH5	549719.4	4828565.6	797.0	26.2	298.0	1,200	7.4	0.31	n/a	n/a	n/a	1.30E-11	2.57E-15
Fly Ash Bin Vent Filter No. 2	BH6	549725.4	4828565.6	797.0	26.2	298.0	1,200	7.4	0.31	n/a	n/a	n/a	1.30E-11	2.57E-15
Fly Ash Bin Vent Filter No. 3	BH7	549731.4	4828565.6	797.0	26.2	298.0	1,200	7.4	0.31	n/a	n/a	n/a	1.30E-11	2.57E-15
Fugitive Fly Ash Baghouse	BH8	549725.4	4828570.6	797.0	7.6	298.0	4,523	8.4	0.57	n/a	n/a	n/a	4.88E-11	9.67E-15
Ventilex Dryer	DRYER	549735.6	4828466.0	797.0	9.1	477.6	11,000	10.0	0.81	n/a	n/a	9.26E-05	2.47E-07	1.36E-06

n/a - not applicable; TBD - to be determined

1 All UTM source coordinates shown are in NAD 83.

2 Release heights for volume sources were based on the estimated height of the material handling activities.

3 Sigma y values for material handling volume sources were calculated by dividing the estimated initial length of the volume source by 4.3, per AERMOD guidance. The initial lengths were assumed as follows: TRUCK = 8 feet; FEL = 6 feet; FB and FC = 25 feet.

4 Sigma z values for material handling volume sources were calculated by dividing the vertical source dimension (estimated as the release height) by 2.15, per AERMOD guidance.

5 TAPs emission rates were calculated by dividing the maximum pounds per day emission rate by 24 hours, and converting to a g/s value.

Point Sources

Baghouses and the natural gas-fired dryer were modeled as point sources. These sources are summarized below. Baghouse capture efficiencies and all stack parameters have been provided by the manufacturers and are included as an Attachment. Stack heights and temperatures were provided by Handy personnel.

(1) Ventilex Baghouse Model No. 150-3500-192
This baghouse captures emissions from the sand and gravel drying and cooling process in the Ventilex Fluid Bed Dryer and Cooler. The manufacturer's capture efficiency is listed as 10 mg/Nm^3, which is equivalent to 0.005 grains per dry standard cubic foot (gr/dscf).

(2) Carbo Tech Baghouse Model No. 12-12-12-2714-RTH
This baghouse captures fugitive dust emissions from the drying and cooling process in the Ventilex Fluid Bed Dryer and Cooler. The manufacturer's capture efficiency is listed as 0.005 gr/dscf.

(3) IAC Systems, Inc. Baghouse Model No. 120TB-BHT-196-Style 3
This baghouse captures concrete plant fugitive dust emissions, including emissions from the dry conveyor belts and transfer points in the concrete plant, raw cement handling and transfer to the silo in the concrete plant, the material classifier, and the bucket elevators. The manufacturer's capture efficiency is listed as 0.02 gr/dscf.

(4) MikroPul Baghouse Model No. B.V.-30
Fugitive dust emissions from the white silo in the concrete plant, also known as the outside sand silo, are vented through this baghouse. The manufacturer's capture efficiency is listed as 0.02 gr/dscf.

(5) IAC Systems, Inc. Baghouse Model No. 84TB-BVI-16 Style 2
Fugitive dust emissions from the Track Loadout System fly ash bin vent filter No. 1 are vented through this baghouse. The manufacturer's capture efficiency is listed as 0.02 gr/dscf.

(6) IAC Systems, Inc. Baghouse Model No. 84TB-BVI-16 Style 2
Fugitive dust emissions from the Track Loadout System fly ash bin vent filter No. 2 are vented through this baghouse. The manufacturer's capture efficiency is listed as 0.02 gr/dscf.

(7) IAC Systems, Inc. Baghouse Model No. 84TB-BVI-16 Style 2
Fugitive dust emissions from the Track Loadout System fly ash bin vent filter No. 3 are vented through this baghouse. The manufacturer's capture efficiency is listed as 0.02 gr/dscf.

(8) MikroPul Baghouse Model No. 64S-10-20-C

This baghouse captures fugitive fly ash emissions from the track loadout system. The baghouse also collects emissions from the bulk material transfer of flash from the silos to truck trailers for transport off site. The manufacturer's capture efficiency is listed as 0.02 gr/dscf.

Emissions from the 10 mmBTU/hr natural gas-fired dryer were modeled as a point source as well. In the dryer, material is heated to 400 degrees F then cooled to ambient temperature. Fugitive dust from the dryer is controlled with a dust collector, as discussed above. All emissions from the drying process are captured in the two baghouses described above.

3.8 MODEL RESULTS

PM_{10} and NO_x emissions were modeled using AERMOD. As shown in Table 3-6, modeled concentrations of annual and 24-hour PM_{10} emissions exceeded their respective SCLs. Therefore, a cumulative impact analysis was conducted for PM_{10}. Figures 3-3 and 3-4 show results of significant impact modeling for 24-hour and annual PM_{10}, respectively.

Cumulative modeling for both averaging periods demonstrates that the Handy facility will comply with the NAAQS levels. The highest sixth high cumulative 24-hour PM_{10} impact, with the background value added, is 148.6 $\mu g/m^3$. The highest cumulative annual PM_{10} impact, with the background value added, is 43.1 $\mu g/m^3$. These values are below the respective NAAQS values of 150 $\mu g/m^3$ and 50 $\mu g/m^3$. Figures 3-5 and 3-6 present NAAQS impact contours for PM_{10}.

AERMOD modeling was completed for TAPs emissions (formaldehyde, arsenic, and cadmium) using an annual averaging period because these TAPs are in the carcinogen category, per IDAPA 58.01.01.585 and 586. The maximum annual impact from formaldehyde emissions at the Handy facility, 7.7×10^{-4} $\mu g/m^3$, is less than the AAC established in IDAPA 58.01.01 (7.7×10^{-2} $\mu g/m^3$). The maximum annual impact from arsenic emissions at the Handy facility, 2.1×10^{-6} $\mu g/m^3$, is less than the AAC established in IDAPA 58.01.01 (2.3×10^{-4} $\mu g/m^3$). The maximum annual impact from cadmium emissions at the Handy facility, 5.4×10^{-6} $\mu g/m^3$, is less than the AAC established in IDAPA 58.01.01 (5.6×10^{-4} $\mu g/m^3$). Tables 3-6 and 3-7 summarize the modeling results for TAPs. Note that calculated gram/second emission rates for cadmium and arsenic sources were multiplied by 10^6 for modeling so that reported AERMOD concentrations would be greater than zero. Modeled concentrations for these two pollutants were then divided by 10^6 to determine actual concentrations.

All electronic modeling files used in this analysis are included in this permit application on CD-ROM.

TABLE 3-6

HANDY TRUCK LINE SCL MODEL RESULTS

Pollutant	Averaging Period	UTM-X Location (m)	UTM-Y Location (m)	Year	Maximum Modeled Concentration ($\mu g/m^3$)[a]	SCL ($\mu g/m^3$)[a]
PM_{10}	Annual	549757.0	4828435.0	1991	18.0	1
	24-hour	549671.0	4828467.0	1988	67.4	5
NO_2[c]	Annual	549671.4	4828447.0	1990	0.82	1
Arsenic	Annual	549671.4	4828447.0	1990	2.1E-06	N/A[b]
Cadmium	Annual	549672.8	4828377.0	1990	5.4E-06	N/A[b]
Formaldehyde	Annual	549671.4	4828447.0	1990	7.7E-04	N/A[b]

a $\mu g/m^3$ = micrograms per cubic meter
b N/A = not applicable
c The NOx to NO_2 conversion factor of 0.75 was applied.

TABLE 3-7

HANDY TRUCK LINE CUMULATIVE MODEL RESULTS

Pollutant	Averaging Period	Year	Maximum Modeled Concentration ($\mu g/m^3$)[a]	Background Concentration ($\mu g/m^3$)[a]	Total Concentration ($\mu g/m^3$)[a]	National AAQS ($\mu g/m^3$)[a]	Annual AAC ($\mu g/m^3$)[a]
PM_{10}	Annual	1991	18.0	25.1	43.1	50	N/A[b]
	24-hour	1988	58.6[c]	90.0	148.6	150[d]	N/A[b]
Arsenic	Annual	1990	2.1E-06	N/A[b]	2.1E-06	N/A[b]	2.3E-04
Cadmium	Annual	1990	5.4E-06	N/A[b]	5.4E-06	N/A[b]	5.6E-04
Formaldehyde	Annual	1990	7.7E-04	N/A[b]	7.7E-04	N/A[b]	7.7E-02

a $\mu g/m^3$ = micrograms per cubic meter
b N/A = not applicable
c Modeled concentration shown is highest sixth high value over five years of modeling.
d Not to be exceeded more than once per calendar year.

FIGURE 3-3

24-HOUR PM_{10} SIGNIFICANT CONTRIBUTION LEVEL CONCENTRATIONS

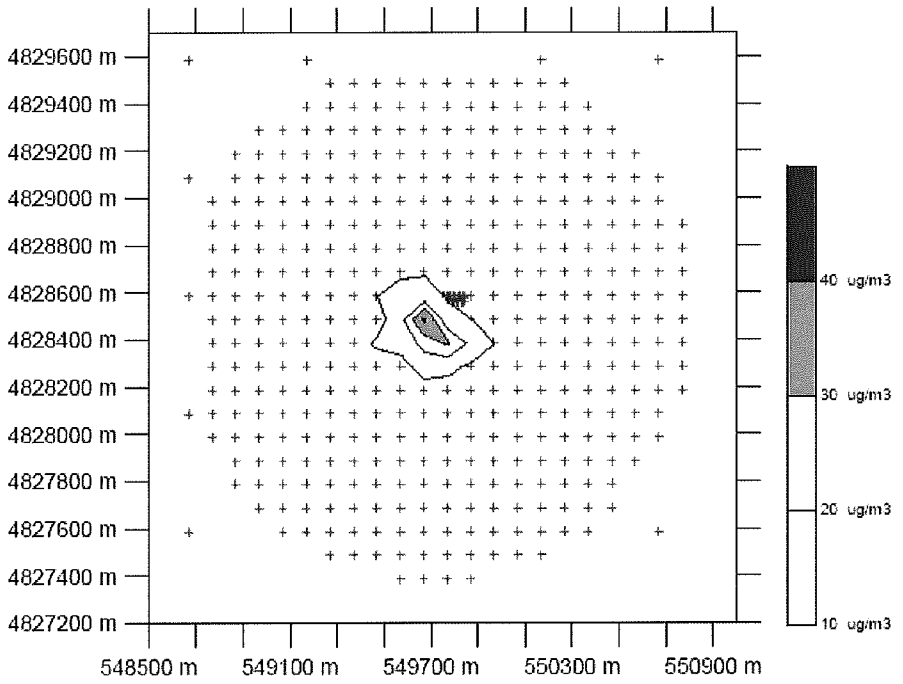


FIGURE 3-4

ANNUAL PM_{10} SIGNIFICANT CONTRIBUTION LEVEL CONCENTRATIONS

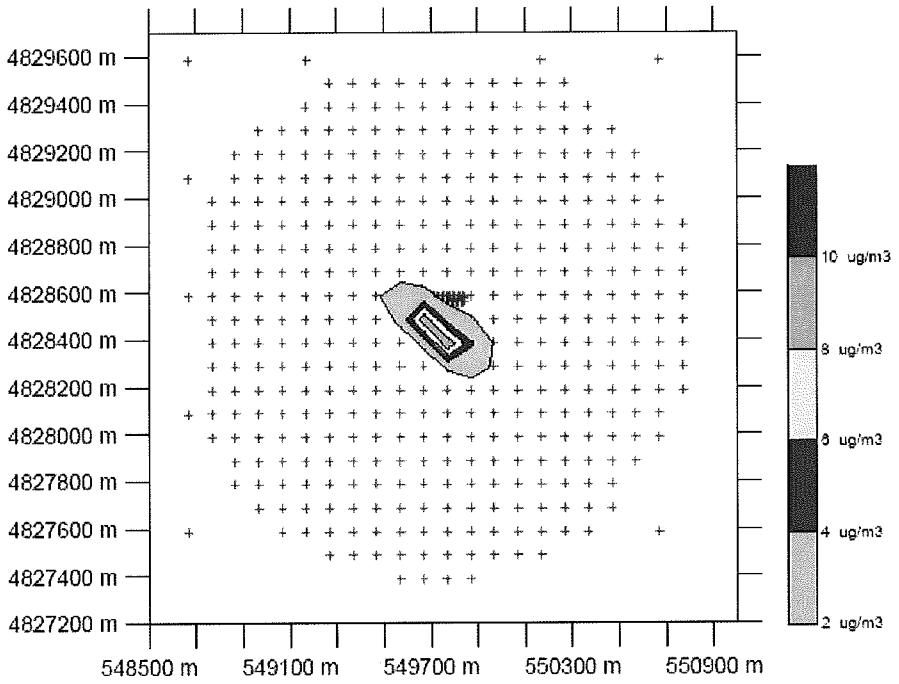


FIGURE 3-5

24-HOUR PM_{10} NAAQS CONCENTRATIONS

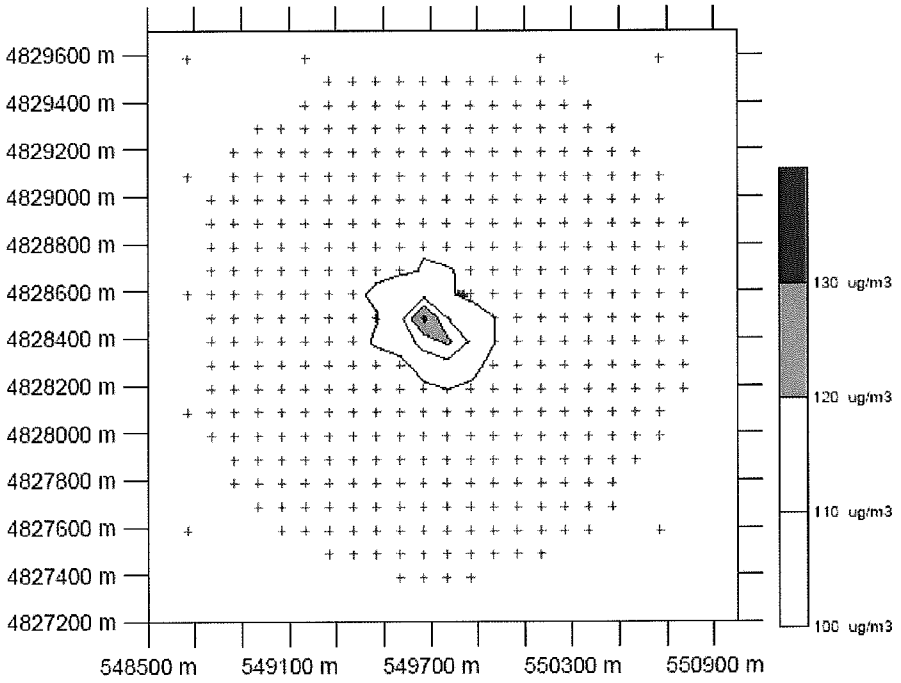
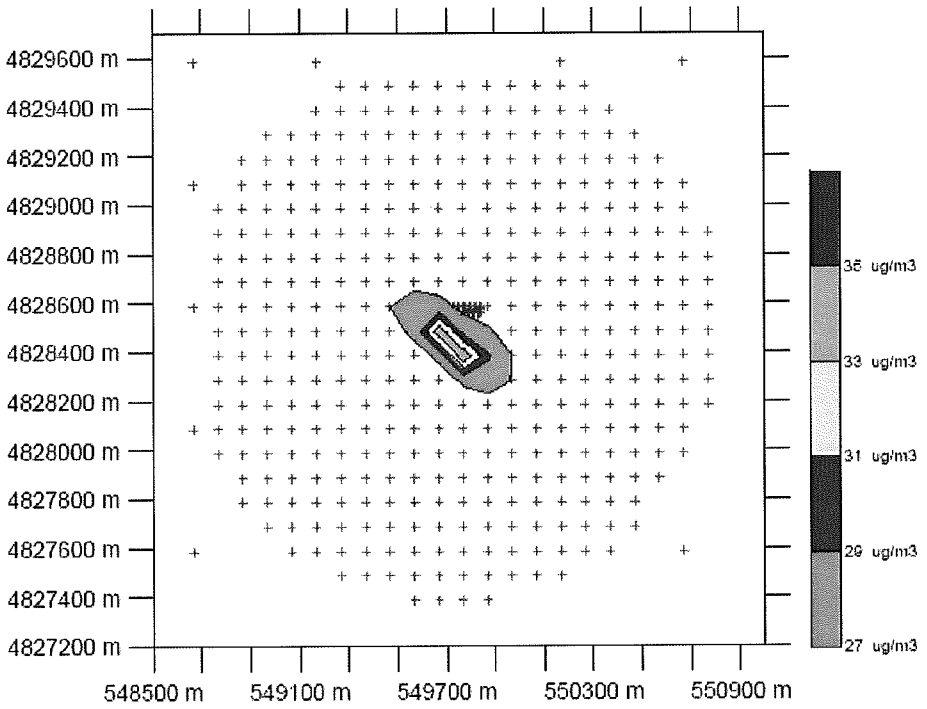


FIGURE 3-6

ANNUAL PM_{10} NAAQS CONCENTRATIONS



4.0 REFERENCES

Idaho Department of Environmental Quality (IDEQ). 2002. *State of Idaho Air Quality Modeling Guideline*. Stationary Source Program, Air Quality Division. December 31.

IDEQ. 2008a. Handy Truck Lines Meridian, Idaho Facility Air Permit to Construct Application Kick-off Meeting. Between Tetra Tech, Inc. and IDEQ. IDEQ Office, 1410 N. Hilton, Boise, ID. March 7.

IDEQ. 2008b. Electronic Mail Communication Regarding Meteorological Data for Use in Modeling the Handy Truck Lines Facility. Between Kevin Schilling, IDEQ and Melissa Weakley, Tetra Tech. March 20.

IDEQ. 2008c. Electronic Mail Communication Regarding Background Concentrations for Use in Modeling the Handy Truck Lines Facility. Between Kevin Schilling, IDEQ and Melissa Weakley, Tetra Tech. March 24.

IDEQ. 2008d. "Modeling Protocol for the Handy Truck Line Facility Located in Meridian, Idaho." Letter from Kevin Schilling, IDEQ to Sandra Carroll, Tetra Tech. April 12.

IDEQ. 2008e. Electronic Mail Communication Regarding Chromium Speciation for Cement and Fly Ash Emissions. Between Kevin Schilling, IDEQ and Melissa Weakley, Tetra Tech. April 14.

Tetra Tech. 2008. Handy Truck Line Dispersion Modeling Protocol for the Pending Permit to Construct Application. April 11.

U.S. Environmental Protection Agency (EPA). 2004. *User's Guide for the AMS/EPA Regulatory Model - AERMOD*. EPA-454/B-03-002. Office of Air Quality Planning and Standards, Emissions Monitoring and Analysis Division. Research Triangle Park, North Carolina. September.

EPA. 2005. *Guideline on Air Quality Models (Revised)*. 40 Code of Federal Regulations, Part 51, Appendix W. Office of Air Quality Planning and Standards. Research Triangle Park, North Carolina.

APPENDIX A

PERMIT TO CONSTRUCT APPLICATION FORMS

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
04/03/07

Please see instructions on page 2 before filling out the form.

DEQ USE ONLY
Date Received
Project Number
Payment / Fees Included? Yes ☐ No ☐
Check Number

COMPANY NAME, FACILITY NAME, AND FACILITY ID NUMBER

1. Company Name	Handy Truck Line		
2. Facility Name	Meridian Terminal, Idaho	3. Facility ID No.	To be issued
4. Brief Project Description - One sentence or less	The Meridian Terminal produces batch and custom mixtures of cement and concrete, and also transloads fly ash and cement.		

PERMIT APPLICATION TYPE

5. ☐ New Facility ☐ New Source at Existing Facility ☒ Unpermitted Existing Source
☐ Modify Existing Source: Permit No.:_____ Date Issued:_____
☐ Required by Enforcement Action: Case No.:_____

6. ☒ Minor PTC ☐ Major PTC

FORMS INCLUDED

Included	N/A	Forms	DEQ Verify
☒	☐	Form GI – Facility Information	☐
☒	☐	Form EU0 – Emissions Units General	☐
☐	☒	Form EU1 - Industrial Engine Information Please Specify number of forms attached: _____	☐
☒	☐	Form EU2 - Nonmetallic Mineral Processing Plants Please Specify number of forms attached: _____	☐
☐	☒	Form EU3 - Spray Paint Booth Information Please Specify number of forms attached: _____	☐
☐	☒	Form EU4 - Cooling Tower Information Please Specify number of forms attached: _____	☐
☐	☒	Form EU5 – Boiler Information Please Specify number of forms attached: _____	☐
☐	☒	Form HMAP – Hot Mix Asphalt Plant Please Specify number of forms attached: _____	☐
☒	☐	Form CBP - Concrete Batch Plant Please Specify number of forms attached: _____	☐
☒	☐	Form BCE - Baghouses Control Equipment	☐
☐	☒	Form SCE - Scrubbers Control Equipment	☐
☒	☐	Forms EI-CP1 - EI-CP4 - Emissions Inventory– criteria pollutants (Excel workbook, all 4 worksheets)	☐
☒	☐	PP – Plot Plan	☐
☒	☐	Forms MI1 – MI4 – Modeling (Excel workbook, all 4 worksheets)	☐
☒	☐	Form FRA – Federal Regulation Applicability	☐

Instructions for Form CS

This form acts as a cover sheet for the Permit to Construct application, providing DEQ with basic information regarding the company and the proposed permitting action. This form helps DEQ efficiently determine whether the application is administratively complete. This form also provides the applicant with a list of forms available to aid the applicant to successfully submit a complete application.

Company Name, Facility Name, and Facility ID Number

1-3. Provide the name of your company, the name of the facility (if different than company name), and the facility identification (ID) number (Facility ID No.) in the boxes provided. The facility ID number is also known as the AIRS number or AIRS/AFS number (example: 095-00077). If you already have a permit, the facility ID number is located in the upper right hand corner of the cover page. The facility ID number must be provided unless your facility has not received one, in which case you may leave this box empty. **Use these same names and ID number on all forms**. This is useful in case any pages of the application are separated.

4. Provide a brief description of this permitting project in one sentence or less. Examples might be "Install/construct a new boiler" or "Increase the allowable process throughput." **This description will be used by DEQ as a unique identifier for this permitting project, in conjunction with the name(s) and ID number referenced in 1-3.** You will need to put this description, using the exact same words, on all other forms that are part of this project application. This is useful in case any pages of the application are separated.

Permit Application Type

5. Provide the reason you are submitting the permit application by checking the appropriate box (e.g., a new facility being constructed, a new source being constructed at an existing facility, an unpermitted existing source (as-built) applying for a permit for the first time, a permitted source to be modified, or the permit application is the result of an enforcement action, in which case provide the case number). If you are modifying an existing permitted source, provide the number and issue date of the most recent permit.

6. Indicate if the application is a minor permit to construct application or a major permit to construct application by checking the appropriate box (e.g., major PTC or minor PTC). If the permit to construct application is for a major new source or major modification, you must ensure that all necessary information required by IDAPA 58.01.01.202, and .204, or .205, as applicable, is provided.

Forms Included

Check the "Included" box for each form included in this permit to construct application. If there are multiples of a form for multiple units of that type, check the box and fill in the number of forms in the blank provided.

The "N/A" box should only be checked if the form is absolutely unnecessary to complete the application. Additional information may be requested.

When complete, submit all application forms and any required fees to:

Air Quality Program Office – Application Processing
Department of Environmental Quality
1410 N. Hilton
Boise, ID 83706-1255

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/26/07

Please see instructions on page 2 before filling out the form.

All information is required. If information is missing, the application will not be processed.

IDENTIFICATION	
1. Company Name	Handy Truck Line
2. Facility Name (if different than #1)	Meridian Terminal, Idaho
3. Facility I.D. No.	To be issued
4. Brief Project Description:	Cement and concrete production and fly ash and cement transloading.
FACILITY INFORMATION	
5. Owned/operated by: (√ if applicable)	☐ Federal government ☐ County government ☐ State government ☐ City government
6. Primary Facility Permit Contact Person/Title	Brett McMichael
7. Telephone Number and Email Address	(208) 888-1080 Ext. 7 - bretthtl@safelink.net
8. Alternate Facility Contact Person/Title	Lyle Bair, Terminal Manager
9. Telephone Number and Email Address	(208) 888-1080 Ext. 6 - lyle@handytruckline.com
10. Address to which permit should be sent	630 East King Street
11. City/State/Zip	Meridian, ID 83642
12. Equipment Location Address (if different than #10)	Same as #10
13. City/State/Zip	
14. Is the Equipment Portable?	☐ Yes ☒ No
15. SIC Code(s) and NAISC Code	Primary SIC: 3273 Secondary SIC (if any): NAICS: 3273
16. Brief Business Description and Principal Product	The Handy facility conducts two processes: fly ash and cement transloading, and cement and concrete production
17. Identify any adjacent or contiguous facility that this company owns and/or operates	None
PERMIT APPLICATION TYPE	
18. Specify Reason for Application	☐ New Facility ☐ New Source at Existing Facility ☒ Unpermitted Existing Source ☐ Modify Existing Source: Permit No.:_____ Date Issued: _____ ☐ Permit Revision ☐ Required by Enforcement Action: Case No.:_____

CERTIFICATION

IN ACCORDANCE WITH **IDAPA 58.01.01.123 (RULES FOR THE CONTROL OF AIR POLLUTION IN IDAHO)**, I CERTIFY BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION IN THE DOCUMENT ARE TRUE, ACCURATE, AND COMPLETE.

19. Responsible Official's Name/Title	Brett McMichael, Production Manager	
20. RESPONSIBLE OFFICIAL SIGNATURE		Date: April 22, 2008
21. ☒ Check here to indicate you would like to review a draft permit prior to final issuance.		

Instructions for Form GI

This form is used by DEQ to identify a company or facility, equipment locations, and personnel involved with the permit application. Additional information may be requested.

1 – 4. Please fill in the same company name, facility name (if different), facility ID number, and brief project description as on Form CS. This is useful in case any pages of the application are separated.

5. Indicate whether the facility is owned by a government entity.

6. Name of the primary person who should be contacted regarding this permit.

7. Telephone number and e-mail address of person listed in 6.

8. Name of the person who should be contacted if the person listed in 6 is not available.

9. Telephone number and e-mail address of person listed in 8.

10 - 11. Address to which DEQ should mail the permit.

12 - 13. Physical address at which the equipment is located (if different than 10).

14. If the equipment is portable (such as an asphalt plant), identify by marking "yes." If there are other locations where the portable equipment will be used, attach a Portable Equipment Relocation Form (PERF) to list those locations. An electronic copy of the PERF can be obtained from the DEQ website http://www.deq.idaho.gov/air/permits_forms/forms/ptc_relocation.pdf (or http://www.deq.idaho.gov/air/permits_forms/forms/ptc_relocation.doc for Word format). **Important note:** In addition to being submitted with this PTC application, a PERF must also be completed and filed at DEQ at least 10 days in advance of relocating any of the equipment covered in this application.

15. Provide the Standard Industrial Classification (SIC) code and the North American Industry Classification System (NAICS) code for your plant. NAICS codes can be found at http://www.census.gov/epcd/naics02/naicod02.htm. If a secondary SIC code is applicable, provide it also.

16. Briefly describe the primary activity and principal product of your business. If your plant includes more than one major activity, describe the one related with the permit application.

17. Please indicate if there are any other branches or divisions of this company located within 5 miles of the address provided in 12 above on this form.

18. Check the box which describes the type of permit application.

19 - 20. Fill in the certification section with a signature, name, title and date. The certification must be signed by a responsible official (as defined in IDAPA 58.01.01.006) in accordance with IDAPA 58.01.01.123.

21. If you would like to review a draft before the final permit is issued, check this box.

Emissions Unit - General **Form EU0**

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION		
Company Name: Handy Truck Line (HTL)	Facility Name: Meridian Terminal, Idaho	Facility ID No: To be assigned
Brief Project Description:	Production of batch and custom mixtures of cement and concrete	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION	
1. Emissions Unit (EU) Name:	NATURAL GAS-FIRED DRYER
2. EU ID Number:	BH1
3. EU Type:	☐ New Source ☒ Unpermitted Existing Source ☐ Modification to a Permitted Source -- Previous Permit #: Date Issued:
4. Manufacturer:	VENTILEX
5. Model:	150-3500-192
6. Maximum Capacity:	45 TONS PER HOUR AND 10-MILLION BTU PER HOUR
7. Date of Construction:	JUNE 1, 2007
8. Date of Modification (if any)	N/A
9. Is this a Controlled Emission Unit?	☐ No ☒ Yes If Yes, complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT			
10. Control Equipment Name and ID:	Dryer dust collector baghouse BH1		
11. Date of Installation:	June 1, 2007	12. Date of Modification (if any):	N/A
13. Manufacturer and Model Number:	Ventilex 150-3500-192		
14. ID(s) of Emission Unit Controlled:	Natural Gas-Fired Dryer		
15. Is operating schedule different than emission units(s) involved?	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☒ Yes ☐ No (If Yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	10 mg/Nm3	10 mg/Nm3				

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)	
18. Actual Operation	4020 HOURS PER YEAR
19. Maximum Operation	8760 HOURS PER YEAR

REQUESTED LIMITS	
20. Are you requesting any permit limits?	☒ Yes ☐ No (If Yes, check all that apply below)
☒ Operation Hour Limit(s):	8AM - 5PM, NOV-MAR; 5AM - 5PM, APR-OCT;7 DAYS/WK
☐ Production Limit(s):	
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	CONTROL THE PM EMISSIONS

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PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

Company Name:	Facility Name:	Facility ID No:
Handy Truck Line	Meridian Terminal, Idaho	To be assigned
Brief Project Description:	Production of batch and custom mixtures of cement and concrete	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	DRYER FUGITIVE DUST BAGHOUSE
2. EU ID Number:	BH2
3. EU Type:	☐ New Source ☒ Unpermitted Existing Source ☐ Modification to a Permitted Source -- Previous Permit #: Date Issued:
4. Manufacturer:	CARBO TECH
5. Model:	12-12-12-2714-RTH
6. Maximum Capacity:	15,000 ACFM
7. Date of Construction:	3/1996
8. Date of Modification (if any)	6/1/07
9. Is this a Controlled Emission Unit?	☐ No ☒ Yes If Yes, complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	Dryer fugitive dust baghouse BH 2		
11. Date of Installation:	3/1996	12. Date of Modification (if any):	6/1/07
13. Manufacturer and Model Number:	Carbo-Tech		
14. ID(s) of Emission Unit Controlled:	BH2		
15. Is operating schedule different than emission units(s) involved?	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☒ Yes ☐ No (If Yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	0.005 gr/dscf	0.005 gr/dscf				

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	4020 HOURS PER YEAR
19. Maximum Operation	8760 HOURS PER YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	☒ Yes ☐ No (If Yes, check all that apply below)
☒ Operation Hour Limit(s):	8AM-5PM, NOV-MAR; 5AM-5PM, APR-OCT; 7 DAYS/WK
☐ Production Limit(s):	
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	CONTROL PM EMISSIONS

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PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

Company Name:	Facility Name:	Facility ID No:
Handy Truck Line	Meridian Terminal, Idaho	To be assigned
Brief Project Description:	Production of batch and custom mixtures of cement and concrete	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	PLANT AND FUGITIVE DUST BAGHOUSE
2. EU ID Number:	BH3
3. EU Type:	☐ New Source ☒ Unpermitted Existing Source ☐ Modification to a Permitted Source -- Previous Permit #: Date Issued:
4. Manufacturer:	IAC SYSTEMS, INC.
5. Model:	120TB-BHT-196 STYLE 3
6. Maximum Capacity:	18,000 CFM
7. Date of Construction:	3/2000
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☐ No ☒ Yes If Yes, complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	Plant and fugitive dust baghouse BH3		
11. Date of Installation:	3/2000	12. Date of Modification (if any):	
13. Manufacturer and Model Number:	IAC Systems, Inc. 120TB-BHT-196-Style 3		
14. ID(s) of Emission Unit Controlled:	BH3		
15. Is operating schedule different than emission units(s) involved?	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☒ Yes ☐ No (If Yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	0.02 gr/dscf	0.02 gr/dscf				

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	4020 HOURS PER YEAR
19. Maximum Operation	8760 HOURS PER YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	☒ Yes ☐ No (If Yes, check all that apply below)
☒ Operation Hour Limit(s):	8AM-5PM, NOV-MAR; 5AM-5PM, APR-OCT; 7 DAYS/WK
☐ Production Limit(s):	
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	CONTROL PM EMISSIONS

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PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

Company Name:	Facility Name:	Facility ID No:
Handy Truck Line	Meridian Terminal, Idaho	To be assigned
Brief Project Description:	Production of batch and custom mixtures of cement and concrete	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	WHITE SILO - OUTSIDE SAND SILO
2. EU ID Number:	BH4
3. EU Type:	☐ New Source ☒ Unpermitted Existing Source ☐ Modification to a Permitted Source -- Previous Permit #: Date Issued:
4. Manufacturer:	MIKROPUL
5. Model:	B.V.-30
6. Maximum Capacity:	508 CFM
7. Date of Construction:	7/2007
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☐ No ☒ Yes If Yes, complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	White silo bin vent - no fan (outside sand silo) baghouse BH4		
11. Date of Installation:	7/2007	12. Date of Modification (if any):	
13. Manufacturer and Model Number:	MikroPul B.V.-30		
14. ID(s) of Emission Unit Controlled:	White Silo-Outside Sand Silo		
15. Is operating schedule different than emission units(s) involved?	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☒ Yes ☐ No (If Yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	0.02 gr/dscf	0.02 gr/dscf				

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	4020 HOURS PER YEAR
19. Maximum Operation	8760 HOURS PER YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	☒ Yes ☐ No (If Yes, check all that apply below)
☒ Operation Hour Limit(s):	8AM-5PM, NOV-MAR; 5AM-5PM, APR-OCT; 7 DAYS/WK
☐ Production Limit(s):	
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	CONTROL PM EMISSIONS

DEQ AIR QUALITY PROGRAM
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PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

Company Name:	Facility Name:	Facility ID No:
Handy Truck Line	Meridian Terminal, Idaho	To be assigned
Brief Project Description:	Production of batch and custom mixtures of cement and concrete	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	TRACK LOADOUT SYSTEM BIN VENT FLY ASH BAGHOUSE
2. EU ID Number:	BH5
3. EU Type:	☐ New Source ☒ Unpermitted Existing Source ☐ Modification to a Permitted Source -- Previous Permit #: Date Issued:
4. Manufacturer:	IAC SYSTEMS, INC.
5. Model:	84TB-BVI-16:STYLE 2
6. Maximum Capacity:	1,200 CFM
7. Date of Construction:	7/2007
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☐ No ☒ Yes If Yes, complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	Bin Vent Fly Ash baghouse, BH5		
11. Date of Installation:	7/2007	12. Date of Modification (if any):	
13. Manufacturer and Model Number:	IAC Systems, Inc. 84TB-BVI-16:S2		
14. ID(s) of Emission Unit Controlled:	Fly Ash Bin Vent Track Loadout System		
15. Is operating schedule different than emission units(s) involved?	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☒ Yes ☐ No (If Yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	0.02 gr/dscf	0.02 gr/dscf				

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	4020
19. Maximum Operation	8760

REQUESTED LIMITS

20. Are you requesting any permit limits?	☒ Yes ☐ No (If Yes, check all that apply below)
☒ Operation Hour Limit(s):	8AM-5PM, NOV-MAR; 5AM-5PM, APR-OCT; 7 DAYS/WK
☐ Production Limit(s):	
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	CONTROL PM EMISSIONS

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PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

Company Name:	Facility Name:	Facility ID No:
Handy Truck Line	Meridian Terminal, Idaho	To be assigned
Brief Project Description:	Production of batch and custom mixtures of cement and concrete	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	TRACK LOADOUT SYSTEM BIN VENT FLY ASH BAGHOUSE
2. EU ID Number:	BH6
3. EU Type:	☐ New Source ☒ Unpermitted Existing Source ☐ Modification to a Permitted Source -- Previous Permit #: Date Issued:
4. Manufacturer:	IAC SYSTEMS, INC.
5. Model:	84TB-BVI-16:STYLE 2
6. Maximum Capacity:	1,200 CFM
7. Date of Construction:	7/2007
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☐ No ☒ Yes If Yes, complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	Bin Vent Fly Ash baghouse, BH6		
11. Date of Installation:	7/2007	12. Date of Modification (if any):	
13. Manufacturer and Model Number:	IAC Systems, Inc. 84TB-BVI-16:S2		
14. ID(s) of Emission Unit Controlled:	Fly Ash Bin Vent Track Loadout System		
15. Is operating schedule different than emission units(s) involved?	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☒ Yes ☐ No (If Yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	0.02 gr/dscf	0.02 gr/dscf				

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	4020
19. Maximum Operation	8760

REQUESTED LIMITS

20. Are you requesting any permit limits?	☒ Yes ☐ No (If Yes, check all that apply below)
☒ Operation Hour Limit(s):	8AM-5PM, NOV-MAR; 5AM-5PM, APR-OCT; 7 DAYS/WK
☐ Production Limit(s):	
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	CONTROL PM EMISSIONS

Emissions Unit - General **Form EU0**

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
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Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

Company Name:	Facility Name:	Facility ID No:
Handy Truck Line	Meridian Terminal, Idaho	To be assigned
Brief Project Description:	Production of batch and custom mixtures of cement and concrete	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	TRACK LOADOUT SYSTEM BIN VENT FLY ASH BAGHOUSE
2. EU ID Number:	BH7
3. EU Type:	☐ New Source ☒ Unpermitted Existing Source ☐ Modification to a Permitted Source -- Previous Permit #: Date Issued:
4. Manufacturer:	IAC SYSTEMS, INC.
5. Model:	84TB-BVI-16:STYLE 2
6. Maximum Capacity:	1,200 CFM
7. Date of Construction:	7/2007
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☐ No ☒ Yes If Yes, complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	Bin Vent Fly Ash baghouse, BH7		
11. Date of Installation:	7/2007	12. Date of Modification (if any):	
13. Manufacturer and Model Number:	IAC Systems, Inc. 84TB-BVI-16:S2		
14. ID(s) of Emission Unit Controlled:	Fly Ash Bin Vent Track Loadout System		
15. Is operating schedule different than emission units(s) involved?	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☒ Yes ☐ No (If Yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	0.02 gr/dscf	0.02 gr/dscf				

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	4020
19. Maximum Operation	8760

REQUESTED LIMITS

20. Are you requesting any permit limits?	☒ Yes ☐ No (If Yes, check all that apply below)
☒ Operation Hour Limit(s):	8AM-5PM, NOV-MAR; 5AM-5PM, APR-OCT; 7 DAYS/WK
☐ Production Limit(s):	
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	CONTROL PM EMISSIONS

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PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

Company Name:	Facility Name:	Facility ID No:
Handy Truck Line	Meridian Terminal, Idaho	To be assigned
Brief Project Description:	Production of batch and custom mixtures of cement and concrete	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	FUGITIVES FLY ASH AND TRUCK LOADOUT
2. EU ID Number:	BH8
3. EU Type:	☐ New Source ☒ Unpermitted Existing Source ☐ Modification to a Permitted Source -- Previous Permit #: Date Issued:
4. Manufacturer:	MIKROPUL
5. Model:	64S-10-20-C
6. Maximum Capacity:	4523
7. Date of Construction:	3/1998
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☐ No ☒ Yes If Yes, complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	Fugitives Fly Ash and Truck Loadout Baghouse		
11. Date of Installation:	3/1998	12. Date of Modification (if any):	
13. Manufacturer and Model Number:	MikroPul 64S-10-20-C		
14. ID(s) of Emission Unit Controlled:	BH8-Fugitives Fly Ash and Truck Loadout		
15. Is operating schedule different than emission units(s) involved?	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☒ Yes ☐ No (If Yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	0.02 gr/dscf	0.02 gr/dscf				

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	4020 HOURS PER YEAR
19. Maximum Operation	8760 HOURS PER YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	☒ Yes ☐ No (If Yes, check all that apply below)
☒ Operation Hour Limit(s):	8AM-5PM, NOV-MAR; 5AM-5PM, APR-OCT; 7 DAYS/WK
☐ Production Limit(s):	
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	CONTROL PM EMISSIONS

Instructions for Form EU0

This form provides DEQ with information about an emissions unit. An emissions unit is the equipment or process that generates emissions of regulated air pollutant(s). This form is used by the permit writer to become familiar with the emissions unit (EU). This form is also used by DEQ to identify the control equipment and the emission point (stack or vent) used for the emission unit(s) proposed in this permit application. This form also asks for supporting documents to verify stated control efficiencies and details about the emission point. Additional information may be requested.

Please put the same company name, facility name (if different), facility ID number, and brief project description as on Form CS in the boxes provided. This is useful in case any pages of the application get separated.

1. Provide the name of the emissions unit (EU), such as "Union boiler," etc. Use the exact same name for this EU throughout all the application forms. A separate EU0 form is required for each emissions unit.
2. Provide the identification (ID) number of the EU. It can be any unique identifier you choose; however, this ID number should be unique to this EU and should be used consistently throughout this application and all other air quality permit applications (e.g., operating permit application) to identify this EU.
3. Indicate the type of EU by checking the appropriate box (e.g., a new source to be constructed, an unpermitted existing source (as-built) applying for the first time, or an existing permitted source to be modified). If the EU is being modified, indicate on the form the most recent permit issued for the EU.
4. Provide the manufacturer's name for the EU. If the EU is custom-designed or homemade, indicate so.
5. Provide the model number of the EU. If the EU is custom-designed or homemade, indicate so.
6. Provide the maximum capacity of the EU. For example, a boiler's capacity may be in MMBtu/hr in terms of heat input of natural gas; an assembly line capacity may be in parts produced per day. Capacity should be based on a rated nameplate or as stated in the manufacturer's literature.
7. The date of construction is the month, day, and year in which construction or modification was commenced.

   Definitions:

   Construction fabrication, erection, or installation of an affected facility.

   Commenced an owner or operator has undertaken a continuous program of construction or modification or that an owner or operator has entered into a contractual obligation to undertake and complete, within a reasonable time, a continuous program of construction or modification.

   Modification any physical change in, or change in the method of operation of, an existing facility which increases the amount of any air pollutant (to which a standard applies) emitted to the atmosphere by that facility or which results in the emission of any air pollutant (to which a standard applies) to the atmosphere not previously emitted.
8. If the EU has been or will be modified, provide the month, day, and year of the most recent or future modification as defined in IDAPA 58.01.01.006.55.
9. Indicate if emissions from the EU are controlled by air pollution control equipment. If the answer is yes, complete the next section. If the answer is no, go to line 18.
10. Provide the name of the air pollution control equipment (e.g., wet scrubber) and the control equipment's identification number. This identification number should be unique to this air pollution control equipment and should be used consistently throughout this and all other air quality permit applications (e.g., operating permit application) to identify this air pollution control equipment.

11. Provide the date the air pollution control equipment was installed.
12. If the air pollution control equipment has been modified, provide the date of the modification.
13. Provide the name of the manufacturer and the model number for the air pollution control equipment.
14. If this air pollution control equipment controls emissions from more than this EU, provide the identification number(s) of the other EU(s).
15. Indicate if this air pollution control equipment operates on a schedule different from the EU(s) it controls.
16. Indicate if the air pollution control manufacturer guarantees the control efficiency of the control equipment. If the answer is yes, attach the manufacturer's guarantee and label it with the air pollution control equipment identification number. Indicate the control efficiency for the target pollutant(s).
17. If the control efficiency of the air pollution control equipment is not guaranteed, attach the design specifications and any performance data to support the control efficiency stated in part 16. Label the supporting documentation with the air pollution control equipment identification number.
18. Provide the projected actual operating schedule for the emission unit in hours/day, hours/year, or other.
19. Provide the maximum operating schedule for the emission unit in hours/day, hours/year, or other.
20. If you are requesting to have limits placed on this EU, mark "Yes." Then, check the applicable requested limit(s) and provide the limit(s). For example, production limits may be in terms of parts produced per year, material usage limits may be in gallons per day.
21. Please provide the reason you are requesting limits, if any. This helps DEQ and the applicant determine whether the limits are necessary, and if they will accomplish the desired purpose. Provide supporting documentation (calculations, modeling assessment, regulatory review, etc.) for each limit requested.

Emissions Units - Nonmetallic Mineral Processing Plant **Form EU2**

DEQ AIR QUALITY PROGRAM
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For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

This form requests information about equipment at a nonmetallic mineral processing plant, as defined in 40 CFR 60.671, that generates fugitive emissions only.

In addition, Form EU0 and appropriate control equipment forms should be used for each stack emission point from the same plant.

IDENTIFICATION		
Company Name: Handy Truck Line	Facility Name: Meridian Terminal, ID	Facility ID No: To be assigned
Brief Project Description:	Cement and concrete production, fly ash and cement transloading	

EQUIPMENT (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS

1. Equipment Description	2. Construction Date	3. Serial Number	4. Equipment ID Number (company's)	5. Rated Capacity	6. Emission Control Type
Feeder Belt	6/1/2007	Custom built	Feeder Belt	1 meter	Uncontrolled
Feed Conveyor	6/1/2007	Custom build	Feed Conveyor	1 meter	Uncontrolled

OPERATING SCHEDULE (hours/day, or hours/week, or months/year, or other)

7. Actual Operation	8AM-5PM, NOV-MAR; 5AM-5PM, APR-OCT; 7 DAYS/WK
8. Maximum Operation	24 hrs/day, 365 days/year

Instructions for Form EU2

This form is designed to request information about equipment at a nonmetallic mineral processing plant, as defined in 40 CFR 60.671, that generates fugitive emissions only.

In addition, Form EU0 and appropriate control equipment forms should be used for each stack emission point from the same plant.

Please fill in the same company name, facility name (if different), facility ID number, and brief description as on Form CS. This is useful if application pages are separated.

PLEASE LIST FIRST THE EQUIPMENT THAT COMMENCED CONSTRUCTION, RECONSTRUCTION, OR MODIFICATION AFTER AUGUST 31, 1983.

1. This column is used to list equipment at your facility that generates fugitive emissions only (fugitive emission means particulate matter that is not collected by a capture system and is released to the atmosphere at the point of generation). The equipment list should include each crusher, grinding mill, screening plant, belt conveyor, bucket elevator, bagging operation, storage bin, enclosed truck or railcar loading station.

2. The date of construction is the month, day, and year in which construction or modification was commenced. For this form, month/day/year should be provided for equipment that commenced construction in 1983. For any other years, only "year" is required.

   Definitions:

   Construction fabrication, erection, or installation of an affected facility.

   Commenced an owner or operator has undertaken a continuous program of construction or modification or that an owner or operator has entered into a contractual obligation to undertake and complete, within a reasonable time, a continuous program of construction or modification.

   Modification any physical change in, or change in the method of operation of, an existing facility which increases the amount of any air pollutant (to which a standard applies) emitted to the atmosphere by that facility or which results in the emission of any air pollutant (to which a standard applies) to the atmosphere not previously emitted.

3. Provide the serial number of the equipment, assigned by the manufacturer of the equipment.

4. Provide the identification number of the EU. It can be any unique identifier you choose; however, this identification number should be unique to this EU and should be used consistently throughout this application and all other air quality permit applications (e.g., operating permit application) to identify this EU.

5. Indicate the rated capacity of the equipment, in the measures shown below:

Equipment	Measure
Crusher, Grinding Mill, Bucket Elevator, Bagging Operation, Enclosed Truck or Railcar Loading Station	Tons/hour
Screening Operation	Total surface area of top screen
Conveyor Belt	Width
Storage Bin	Tons

6. Use this column to indicate if a control measure will be, or has been, applied to this equipment. Note: a separate control equipment form(s) must be filled out and included for all applicable control equipment serving the equipment listed on this form.

7. Provide your plant operation schedule under typical conditions.

8. Provide your plant operation schedule for projected maximum operation.

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline–1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 4
04/18/07

Please see instructions on page 4 before filling out the form.

GENERAL INFORMATION

Company Name:	Handy Truck Line		
Facility Name:	Meridian Terminal, Idaho	**Facility ID No:**	
Brief Project Description:	The Handy facility produces batch and custom mixtures of cement and concrete. The Meridian Terminal conducts two separate processes: fly ash and cement transloading, and cement and concrete production.		
Mailing Address:	630 East King Street		
City:	Meridian	**State:**	Idaho
Zip Code:	83642	**County:**	Ada
General Nature of Business & Products:	Cement and Concrete Product Manufacturing		

Contact Name, Title:	Brett McMichael, Production Manager		
Phone:	(208) 888-1080 Ext. 7	**Cell:**	(208) 697-6714
Email:	bretthtl@safelink.net		

Owner or Responsible Official Name, Title:	Brett McMIchael, Production Manager and Responsible Official
Phone:	(208) 888-1080 Ext.
Email:	bretthtl@safelink.net

Proposed Initial Plant Location:	630 East King Street		
Nearest City:	Meridian	**Estimated Startup Date:**	In operation
County:	Ada		

Reason for Application:	☐ Permit to construct a new source ☒ Permit to operate an existing unpermitted source ☐ Permit to modify/revise an existing permitted source (identify the permit below) Permit No.: Issue Date: Facility ID:
☒ Check here to indicate you would like to review a draft permit prior to final issuance.	
Comments:	

CONCRETE BATCH PLANT INFORMATION

1. Concrete Batch Plant

Manufacturer:	Ventilex Fluid Bed Dryer and Cooler	**Model:**	150-3500-192
Manufacture Date:	2007		
Maximum Hourly Throughput:	45 tons per hour (cy/hour)		
Maximum Daily Throughput:	1080 tons per day (cy/day)		
Maximum Annual Throughput:	394,200 tons per year (cy/year)		
Requested Annual Throughput:	180,900 tons per year (cy/year)		

2a. Cement Storage Silo Baghouse No. BH4

Manufacturer:	MikroPul	**Model:**	B.V.-30
Stack Height from Ground:	66 (ft)	**Exit Air Flow Rate:**	508 (acfm)
Stack Inside Diameter:	0.4 x 1.0 (ft)	* **PM_{10} Control Efficiency:**	99.9 (%)
* **Manufacturer Grain Loading Guarantee:**	0.02 grains per dry standard cubic foot		
* Attach manufacturer's PM_{10} control efficiency if available.			

2b. Cement Storage Silo Baghouse No. BH5 - Cement Supplement

Manufacturer:	IAC Systems, Inc.	**Model:**	84TB-BVI-16:Style 2
Stack Height from Ground:	86 (ft)	**Exit Air Flow Rate:**	1,200 (acfm)
Stack Inside Diameter:	0.5 x 0.5 (ft)	* **PM_{10} Control Efficiency:**	90 (%)
* **Manufacturer Grain Loading Guarantee:**	0.02 grains per dry standard cubic foot		
* Attach manufacturer's PM_{10} control efficiency if available.			

2c. Cement Supplement (such as flyash) Storage Silo Baghouse No. BH6

Manufacturer:	IAC Systems, Inc.	**Model:**	84TB-BVI-16:Style 2
Stack Height from Ground:	86 (ft)	**Exit Air Flow Rate:**	1,200 (acfm)
Stack Inside Diameter:	0.5 x 0.5 (ft)	* **PM_{10} Control Efficiency:**	90 (%)
* **Manufacturer Grain Loading Guarantee:**	0.02 grains per dry standard cubic foot		
* Attach manufacturer's PM_{10} control efficiency if available.			

2d. Cement Supplement (such as flyash) Storage Silo Baghouse No. BH7

Manufacturer:	IAC Systems, Inc.	**Model:**	84TB-BVI-16:Style 2
Stack Height from Ground:	86 (ft)	**Exit Air Flow Rate:**	1,200 (acfm)
Stack Inside Diameter:	0.5 x 0.5 (ft)	* **PM_{10} Control Efficiency:**	90 (%)
* **Manufacturer Grain Loading Guarantee:**	0.02 grains per dry standard cubic foot		
* Attach manufacturer's PM_{10} control efficiency if available.			

3. Weigh Batcher Baghouse(s)

Manufacturer:	IAC Systems, Inc.	**Model:**	120TB-BHT-196-Style 3
Stack Height from Ground:	30 (ft)	**Exit Air Flow Rate:**	18,000 (acfm)
Stack Inside Diameter:	2.67 (ft)	* **PM_{10} Control Efficiency:**	90 (%)
* **Manufacturer Grain Loading Guarantee:**	0.02 grains per dry standard cubic foot		
* Attach manufacturer's PM_{10} control efficiency if available.			

ELECTRICAL GENERATOR SET INFORMATION (if applicable)

Manufacturer:	Not applicable	**Model:**	
Maximum Rated Capacity:	☐ Hp ☐ kW		
Fuel Type:	☐ Gasoline ☐ Diesel ☐ Natural Gas ☐ Propane		
Maximum Fuel Usage Rate:	☐ gal./hr. ☐ cfh		
Maximum Daily Hrs. of Operations:	(hours/day)		
Maximum Annual Hrs. of Operations:	(hours/year)		
Stack Parameters:	Stack Height from Ground (ft): _____	Stack Exhaust Flow Rate (acfm): _____	
	Stack Inside Diameter (ft): _____	Stack Exhaust Gas Temperature (°F): _____	

ADDITIONAL GENERATOR (if applicable)

Manufacturer:	Not applicable	**Model:**	
Maximum Rated Capacity:	☐ Hp ☐ kW		
Fuel Type:	☐ Gasoline ☐ Diesel ☐ Natural Gas ☐ Propane		
Maximum Fuel Usage Rate:	☐ gal./hr. ☐ cfh		
Maximum Daily Hrs. of Operations:	(hours/day)		
Maximum Annual Hrs. of Operations:	(hours/year)		
Stack Parameters:	Stack Height from Ground (ft): _____	Stack Exhaust Flow Rate (acfm): _____	
	Stack Inside Diameter (ft): _____	Stack Exhaust Gas Temperature (°F): _____	

☒ **$1,000 PTC application fee enclosed**

Certification of Truth, Accuracy, and Completeness (by Responsible Official)
I hereby certify that based on information and belief formed after reasonable inquiry, the statements and information contained in this and any attached and/or referenced document(s) are true, accurate, and complete in accordance with IDAPA 58.01.01.123-124.

Responsible Official Signature	Production Manager *Responsible Official Title*	April 22, 2008 *Date*

Brett McMichael
Print or Type Responsible Official Name

Instructions for Form CBP

PTC APPLICATION OVERVIEW

This application is for the construction and operation of portable and stationary concrete batch plants in all areas of Idaho except any nonattainment area. Nonattainment areas are identified on the DEQ website at www.deq.idaho.gov/air/data_reports/monitoring/nonattainment_map.pdf. If you are planning to locate in a nonattainment area, please call the Air Permit Hotline at 1-877-5PERMIT prior to submitting an application.

PTC APPLICATION INSTRUCTIONS

Please fill in the same company name, facility name (if different), facility ID number, and brief project description as on Form CS. This is useful if application pages are separated.

1. **Application.** Complete the attached PTC application. In items 2a – 2d (page 2), please be sure to:
   - Fill in the number or name of each baghouse in the space provided (example: Cement Silo Baghouse No. *1* or Cement Supplement Silo Baghouse No. *South*).
   - Copy the page if you need additional spaces. For example, if you have more than two cement silo baghouses or more than two cement supplement silo baghouses. These are numbered 2a – 2d; please renumber appropriately if you copy the page to add additional baghouses.
2. **Portable Equipment Relocation Form.** Complete the Portable Equipment Relocation Form (PERF). An electronic copy of the PERF can be obtained from the DEQ website at www.deq.idaho.gov/air/permits_forms/forms/ptc_relocation.doc for Word format).
   Important note: In addition to being submitted with this PTC application, a PERF must also be completed and filed at DEQ at least 10 days in advance of relocating any of the equipment covered in this application.
3. **Fees.** In accordance with the *Rules for the Control of Air Pollution in Idaho* (IDAPA 58.01.01.224 and .226), DEQ cannot process this application unless it is accompanied by a one thousand dollar ($1,000) application fee. If the purpose of this permit is to change the name or ownership of the holder of a PTC when DEQ determines no other review or analysis is required, the application fee is waived. The rules can be accessed at adm.idaho.gov/adminrules/rules/idapa58/58index.htm.
4. **Mail.** Please mail the completed PTC application and PERF form (on CD if possible), and the $1,000 application fee to the address below. The processing of this PTC application cannot commence without payment.

   Air Quality Program Office – Application Processing
   Department of Environmental Quality
   1410 North Hilton
   Boise, ID 83706-1255

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
04/02/07

Please see instructions on page 3 before filling out the form.

IDENTIFICATION		
Company Name: Handy Truck Line	**Facility Name:** Meridian Terminal, Idaho	**Facility ID No.:** To be assigned
Brief Project Description:		

IDENTIFICATION				BAGHOUSE			BAGS			
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
Emission Unit	**EU ID No.**	**CE ID No.**	**Stack ID No.**	**Baghouse Manufacturer**	**Baghouse Model No.**	**Type**	**Type**	**Size (Dia x Ht)**	**No. of Bags**	**Air to Cloth**
Concrete Plant: BH 1. Dryer dust collector baghouse			BH1	Ventilex	150-3500-192	Dry pulse jet	16 ounce polyester singed	0.48' x 11.5'	288	4.3:1
BH 2. Dryer fugitive dust baghouse			BH2	Carbo Tech	12-12-12-2714-RTH	Dry pulse jet	16 oz poly singed	0.50' x 12'	144	5.53:1
BH 3. Plant & fugitive dust baghouse			BH3	IAC Systems, Inc.	120TB-BHT-196-Style 3	Dry pulse jet	16 oz poly singed	0.52' x 10'	196	5.7:1
BH 4. White silo bin vent - no fan (outside sand silo) baghouse			BH4	MikroPul	B.V.-30	Dry pulse jet	16 oz poly singed	0.37' x 8.33'	9	6:1
Track Loadout System: BH 5. Bin Vent Fly Ash baghouse			BH5	IAC Systems, Inc.	84TB-BVI-16:S2	Dry pulse jet	16 oz poly singed	0.52' x 7.25'	56	6.6:1
BH 6. Bin Vent Fly Ash baghouse			BH6	IAC Systems, Inc.	84TB-BVI-16:S2	Dry pulse jet	16 oz poly singed	0.52' x 7.25'	56	6.6:1
BH 7. Bin Vent Fly Ash baghouse			BH7	IAC Systems, Inc.	84TB-BVI-16:S2	Dry pulse jet	16 oz poly singed	0.52' x 7.25'	56	6.6:1
BH 8. Fugitives Fly Ash & Truck loadout baghouse			BH8	MikroPul	64S-10-20-C	Dry pulse jet	16 oz poly singed	0.38' x 10'	64	6:1

DEQ AIR QUALITY PROGRAM
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For assistance, call the
Air Permit Hotline - 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	**Handy Truck Line**
Facility Name:	Meridian Terminal, ID
Facility ID No.:	To be assigned
Brief Project Description:	The Meridian Terminal produces batch and custom mixtures of cement and concrete, and also transloads fly ash and cement.

SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - POINT SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_X		CO		VOC		Lead	
Emissions units	**Stack ID**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**
Point Source(s)													
Dryer dust collector baghouse	BH1	Attached											
Dryer fugitive dust baghouse	BH2	Attached											
Plant & fugitive dust baghouse	BH3	Attached											
Outside sand white silo bin vent	BH4	Attached											
Track loadout-fly ash bin vent	BH5	Attached											
Track loadout-fly ash bin vent	BH6	Attached											
Track loadout-fly ash bin vent	BH7	Attached											
Fugitives fly ash & truck loadout	BH8	Attached											
Total													

	DEQ AIR QUALITY PROGRAM 1410 N. Hilton, Boise, ID 83706 For assistance, call the **Air Permit Hotline - 1-877-5PERMIT**	**PERMIT TO CONSTRUCT APPLICATION** Revision 3 4/5/2007

Please see instructions on page 2 before filling out the form.

Company Name:	**Handy Truck Line**
Facility Name:	Meridian Terminal, ID
Facility ID No.:	To be assigned
Brief Project Description:	The Meridian Terminal produces batch and custom mixtures of cement and concrete, and also transloads fly ash and cement.

SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - POINT SOURCES

1.	2.	3.											
		PM_{10}		SO_2		NO_X		CO		VOC		Lead	
Emissions units	**Stack ID**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**	**lb/hr**	**T/yr**
Point Source(s)													

Instructions for Form EI-CP1

This form is designed to provide the permit writer and air quality modeler with a summary of the criteria pollutant emissions of each emission unit/point located at the facility. This information may be used by the IDEQ to perform an air quality analysis or to review an air quality analysis submitted with the permit application or requested by the IDEQ.

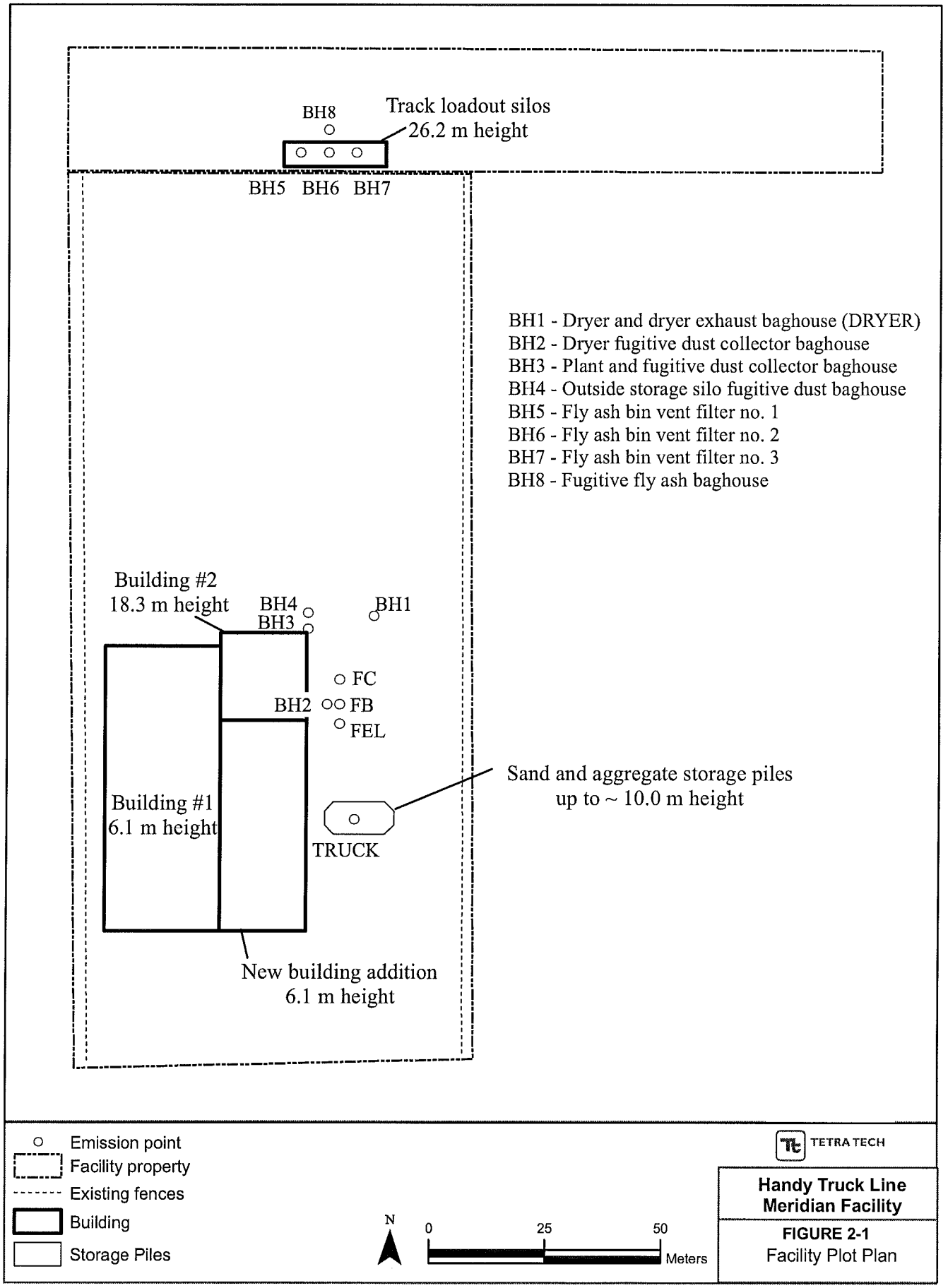
Please fill in the same company name, facility name, facility ID number, and brief project description as on form CS in the boxes provided. This is useful in case any pages of the application get separated.

1. Provide the name of all emission units at the facility. This name must match names on other submittals to IDEQ and within this application.

2. Provide the identification number for the stack which the emission unit exits.

3. Provide the emission rate in pounds per hour and tons per year for all criteria pollutants emitted by this point source. In this form, emission rates for a point source are the maximum allowable emissions for both short term (pounds per hour) and long term (tons per year). These emission rates are its permitted limits (if any). Otherwise, potential to emit should be shown. Potential to emit is defined as uncontrolled emissions at maximum design or achievable capacity (whichever is higher) and year-round continuous operation (8760 hours per year) if there are no federally enforceable permit limits on the emission point. If the emission point has or will have control equipment or some other proposed permit limitation such as hours of operation or material usage, the control efficiency or proposed permit limit(s) may be used in calculating potential to emit.

NOTE: Attach a separate sheet of paper, or electronic file, to provide additional documentation on the development of the emission rates. Documentation can include emissions factors, throughput, and example calculations.


BH8
Track loadout silos
26.2 m height
BH5 BH6 BH7
BH1 - Dryer and dryer exhaust baghouse (DRYER)
BH2 - Dryer fugitive dust collector baghouse
BH3 - Plant and fugitive dust collector baghouse
BH4 - Outside storage silo fugitive dust baghouse
BH5 - Fly ash bin vent filter no. 1
BH6 - Fly ash bin vent filter no. 2
BH7 - Fly ash bin vent filter no. 3
BH8 - Fugitive fly ash baghouse
Building #2
18.3 m height
BH4
BH3
BH1
FC
BH2
FB
FEL
Building #1
6.1 m height
Sand and aggregate storage piles
up to ~ 10.0 m height
TRUCK
New building addition
6.1 m height
Emission point
Facility property
Existing fences
Building
Storage Piles
N
0
25
50
Meters
TETRA TECH
Handy Truck Line
Meridian Facility
FIGURE 2-1
Facility Plot Plan

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/26/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION		
Company Name:	Facility Name:	Facility ID No:
Handy Truck Line	Meridian Terminal, ID	To be issued
Brief Project Description:	Batch and custom mixtures of cement and concrete, transloading fly ash and cement.	

APPLICABILITY DETERMINATION		
1. Will this project be subject to 1990 CAA Section 112(g)? (Case-by-Case MACT)	☒ NO	☐ YES* * If YES, applicant must submit an application for a case-by-case MACT determination [IAC 567 22-1(3)"b" (8)]
2. Will this project be subject to a New Source Performance Standard? (40 CFR part 60)	☐ NO	☒ YES* *If YES, please identify sub-part: OOO
3. Will this project be subject to a MACT (Maximum Achievable Control Technology) regulation? (40 CFR part 63) THIS ONLY APPLIES IF THE PROJECT EMITS A HAZARDOUS AIR POLLUTANT	☒ NO	☐ YES* *If YES, please identify sub-part: _____
4. Will this project be subject to a NESHAP (National Emission Standards for Hazardous Air Pollutants) regulation? (40 CFR part 61)	☒ NO	☐ YES* *If YES, please identify sub-part: _____
5. Will this project be subject to PSD (Prevention of Significant Deterioration)? (40 CFR section 52.21)	☒ NO	☐ YES
6. Was netting done for this project to avoid PSD?	☒ NO	☐ YES* *If YES, please attach netting calculations

IF YOU ARE UNSURE HOW TO ANSWER ANY OF THESE QUESTIONS, CALL THE AIR PERMIT HOTLINE AT 1-877-5PERMIT

Instructions for Form FRA

This form is designed to provide the review engineer information regarding applicable federal regulations. This project may be subject to a federal regulation.

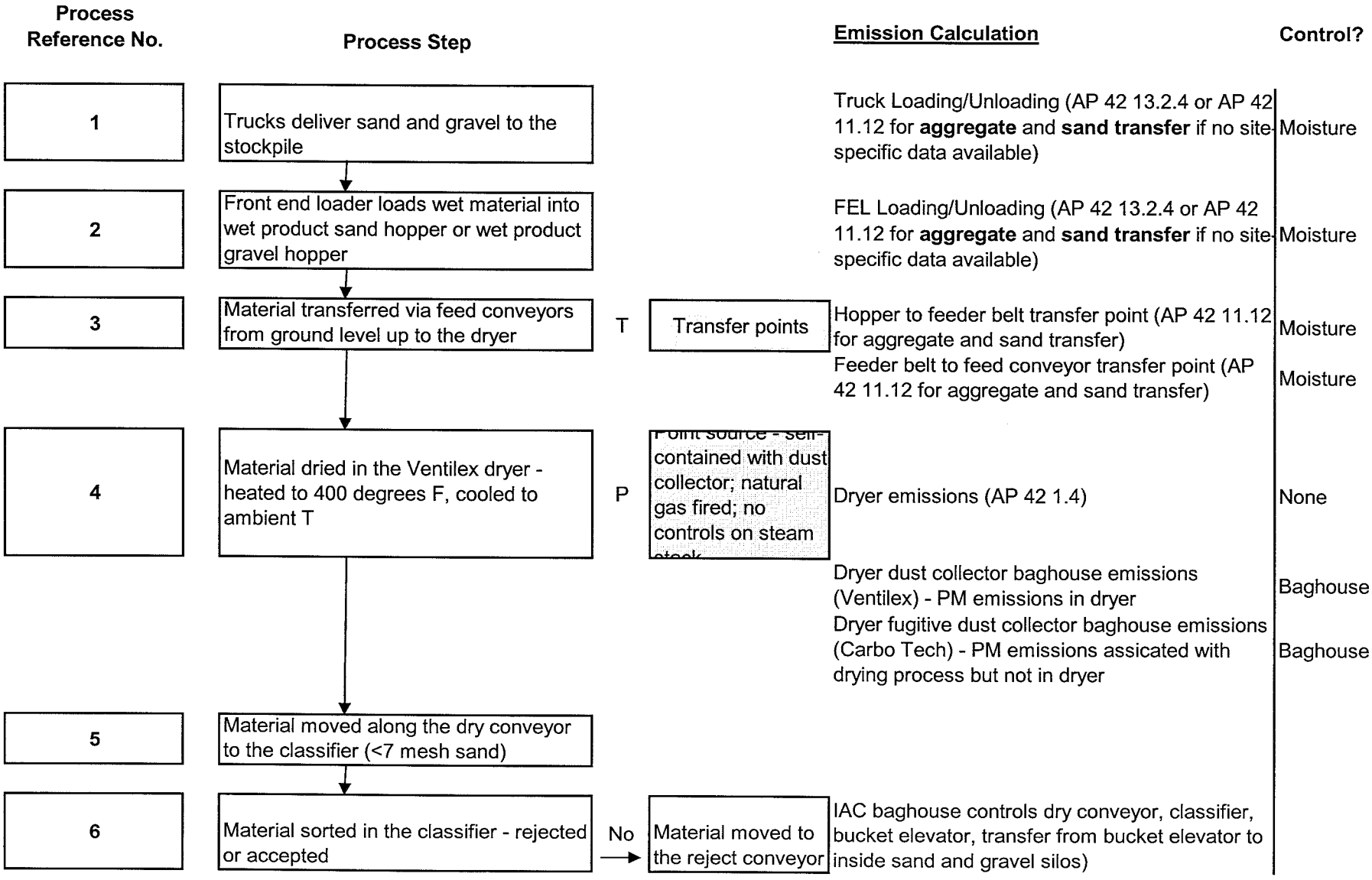
Please put your company name, facility name (if different), facility ID number, and brief project description in the boxes provided. This is useful in case any pages of the application get separated.

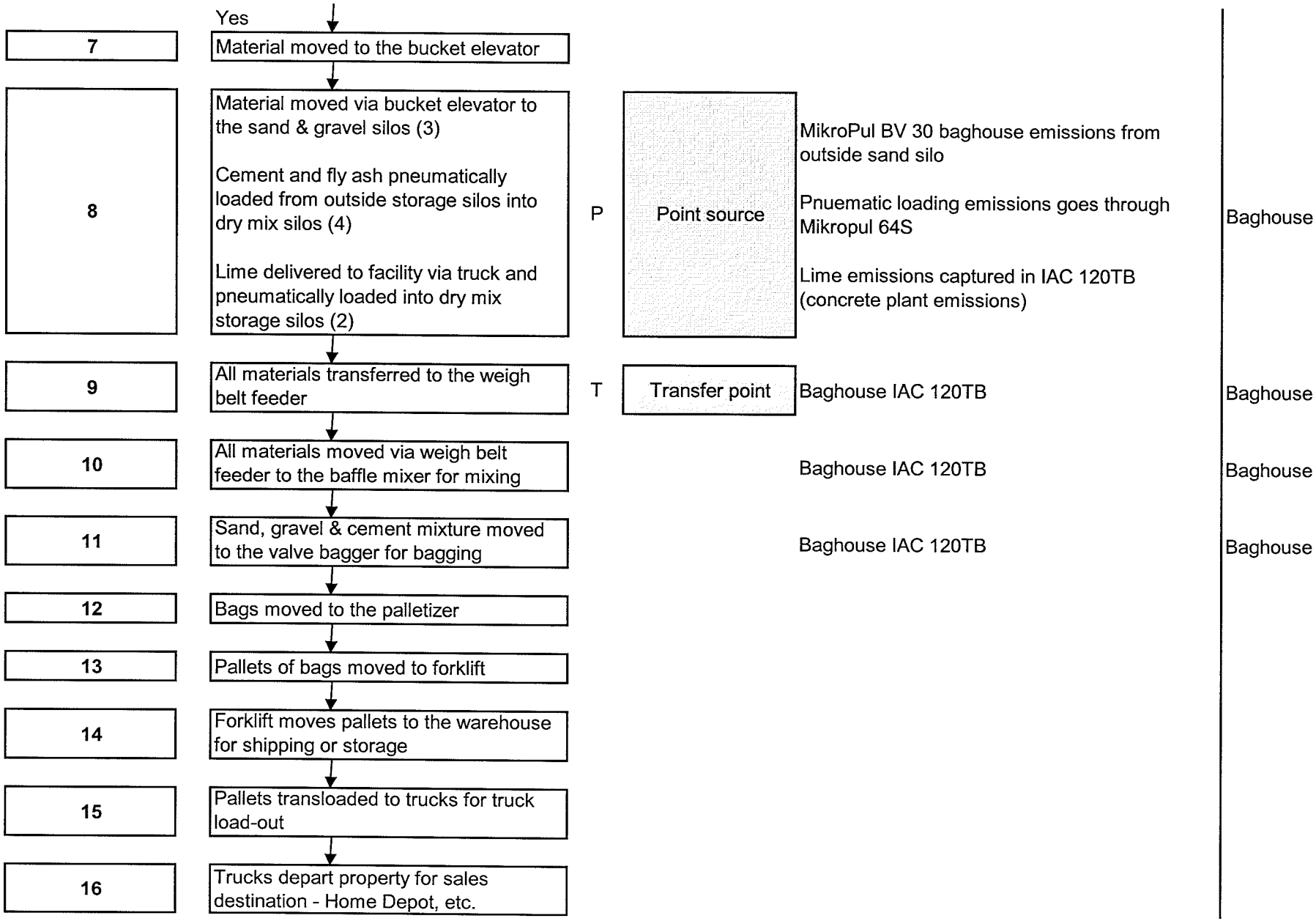
1. The 112(g) provision is a transitional measure to ensure that facilities protect the public from hazardous air pollutants until EPA issues MACT standards that apply to the facilities. If this project is already subject to a MACT regulation, it will not be subject to the provisions of 112(g).
2. New Source Performance Standards are federal regulations that apply to a wide range of sources of criteria air pollutants. To locate the rule, go to: http://www.access.gpo.gov/nara/cfr/waisidx_01/40cfr60_01.html
3. MACT regulations apply to sources of hazardous air pollutants. To locate the rule, go to: www.epa.gov/ttn/atw/mactfnl.html.
4. NESHAP regulations apply to sources of the following pollutants: beryllium, mercury, vinyl chloride, radionuclides, benzene, asbestos, and arsenic. To locate the rule, go to: www.access.gpo.gov/nara/cfr/waisidx_02/40cfr61_02.html
5. If facility is a PSD major source and the net emissions increase from this project exceeds significant levels (as defined by 40 CFR 52.21), this project will be subject to prevention of significant deterioration (PSD) regulations. Please contact DEQ prior to application submission.
6. Indicate whether emissions netting was used in the PSD applicability determination.

APPENDIX B

EMISSION CALCULATIONS

Handy Truck Lines - Meridian Terminal, ID
Air Quality Permit to Construct Application
Process Flow Diagram




Yes
7
Material moved to the bucket elevator
8
Material moved via bucket elevator to the sand & gravel silos (3)
Cement and fly ash pneumatically loaded from outside storage silos into dry mix silos (4)
Lime delivered to facility via truck and pneumatically loaded into dry mix storage silos (2)
P
Point source
MikroPul BV 30 baghouse emissions from outside sand silo
Pnuematic loading emissions goes through Mikropul 64S
Lime emissions captured in IAC 120TB (concrete plant emissions)
Baghouse
9
All materials transferred to the weigh belt feeder
T
Transfer point
Baghouse IAC 120TB
Baghouse
10
All materials moved via weigh belt feeder to the baffle mixer for mixing
Baghouse IAC 120TB
Baghouse
11
Sand, gravel & cement mixture moved to the valve bagger for bagging
Baghouse IAC 120TB
Baghouse
12
Bags moved to the palletizer
13
Pallets of bags moved to forklift
14
Forklift moves pallets to the warehouse for shipping or storage
15
Pallets transloaded to trucks for truck load-out
16
Trucks depart property for sales destination - Home Depot, etc.

HTL Throughput

45	tons/hr	dryer sand and gravel feed rate
24	hrs/day	maximum hours of operation
365	days/yr	maximum days of operation
394,200	tons/yr	maximum sand and gravel throughput
66.67	%	sand throughput
262,800	**tons/yr**	**sand throughput**
33.33	%	gravel throughput
131,400	**tons/yr**	**gravel throughput**
75	%	percent of final product that is gravel and sand
525,600	**tons/yr**	**concrete production**
20	%	percent of final product that is cement
105,120	**tons/yr**	**cement used for concrete production**
600,000	**tons/yr**	**cement delivered to HTL**
494,880	**tons/yr**	**cement shipped off-site to other vendors**
5	%	percent of final product that is lime and fly ash
26,280	tons/yr	lime and fly ash in final concrete
60	%	percent of lime in lime/fly ash total
40	%	percent of fly ash in lime/fly ash total
15,768	**tons/yr**	**lime throughput**
10,512	**tons/yr**	**fly ash used by HTL for concrete production**
335,000	**tons/yr**	**maximum fly ash delivered to facility**
324,488	**tons/yr**	**fly ash shipped off-site to other vendors**

APPENDIX C

MODELING FILES ON CD-ROM